

On the Theory of a Probe in the Plasma. Part 1,
by Yu. M. Kagan, V. I. Perel, 7 pp.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXIV, 1954,
pp 889-894.

ABO Tr 2260

Assoc Tech Sv Tr 9506R

Scientific - Physics
CIS 73/Oct 1955

27,148

Theory of Glass Annealing, by V. L. Indenbom,

RUSSIAN, per, Zhur Tekh Fiz, Vol. XXIV,
pp 985-988. 1954

C.S.I.N.O.

Sci - Chem

May 60

116,124

Diffusion and Drifts of Photo-Electrons in an
partially Illuminated Semiconductor, by A. I.
Gubanov

RUSSIAN, per, Zhurnal Tekhnicheskoy Fiziki,
Vol XXIV, No 5, 1954, pp 933-940.

GB/48/355- Abstract R 432

Sci
Dec 62

ReverseTrans to French
by OTS 62-28083

Table of Contents, 5 pp. (IR-1652 58),
UNCLASSIFIED.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXIV, No 6,
June 1964, pp 61-116.

AF 63-136

WEur - Great Britain
Scientific - Physics

CIA-D-69952

Impedance and Photoconductivity of Lead Sulfide
Photoresistors at High Frequencies of the Feed
Voltage, by V.V. Balakov, V. A. Smeshkova, 7 pp.

RUSSIAN, no per, Izvestiya Akad. Nauk SSSR, Ser. Fiz., Vol XXIV, No 6,
1954, pp 989-992.

ATIC P-TS-8751/V

Sci - Physics

36,470

Jul 1956

SC/48/1000 1000

S-5501

(NY-3121).

Coagulating Effect of Acoustical Flows, by P. N.
Kubanskiy, 10 pp.

RUSSIAN, per. Zhur Tekh Fiz, Vol XXIV, No 6, 1954,
pp 1049-1054.

JPRS-L-1108-N

USSR

Sci - Phys

Dec 59

102,688

Wave Processes on Transmission Lines in the
Presence of Impulse Corona, by A. I. Dolginov.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXIV, No 6,
1954, pp 1111-1124.

UKSM GB 125 No IB 1408

Sci - Physics

52, 324

Aug 57

~~CONFIDENTIAL~~ in Mercury Vapor,
by L. G. Guseva, B. N. Klyarfel'd, 9 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXIV, 1954,
pp 1169-1178.

26,793

AEC Tr 2198
Assoc Tech Sv Tr 5206R

Scientific - Physics

RJ-326
Sep 53 CTS

Elementary Processes Taking Place During the
Formation of a High-Voltage Impulse Discharge
at Low Pressure, by E. M. Reikhrudel, A. V.
Kustova, A. G. Zimelev, 8 pp.

RUSSIAN, per, Zhur, Tekh Fiz, Vol XXIV,
1954, pp 1179-1186.

AEC Tr 2299

Assoc Tech Serv
Tr 5306R

29, 196

Sci - Physics

SLA May 1957

Delay Time in the Formation of Discharges in
Air, by I. E. Balygin, 7 pp.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXIV,
1954, pp 1187-1193.

ABC Tr 2241

Ausoc Tech Sv Tr 54G6R

Scientific - Physics
CTS 73/Oct 1955

27,858

Influence of the Shape of an Insulator on the
Magnitude of its Surface Resistance, by L. Zakgeim,
N. Polteva,

RUSSIAN, per, ~~Zhur~~ ~~Yekh Fiz~~, Vol XXIV, No 7, 1954,
pp 1205-1208. ~~QB 125~~

UKES! No IB 1432

57,629

Sci - Electronics
Jan 58

Influence of Surface Levels on the Electric
Properties of Fine-Grained Films of Germanium,
Silicon, and Tellurium, by Ya. B. Pokrovskiy,
31 pp.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXIV, 1954,
p 1223. - 1243.

Morris D. Friedman P-111
\$15.00

OTS 65-1-1692

USISR

Scientific - Physics

CIS 65/Feb 55

26318

Effect of Small Additions of Iron on the
Decomposition of Supersaturated Solid
Solutions of Silver in Copper, by V. I.
Arkharov, I. P. Polikarpova, 5 pp.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXIV,
No 7, 1954, pp 1244-1246.

Sci Mus Lib 55/1627

29,568

Sci - Minerals/Metals
Chemistry

Physics

Limits of Practical Applicability of Pisarenko's
Formula, by T. A. Kontorova.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXIV, No 7,
1954, pp 1291-1297.

CSIRO 38980

Sci - Phys
Jul 62

201,488

Construction of an Optically Inhomogeneous Medium
by Means of Rays of Given Trajectories, by
A. E. HIKAYELYAN, 10 pp.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXIV, 1954,
p 1322-1331.

Morris D. Friedman *11-100*
\$5.00

USER
Scientific - Physics

OTS 65/Feb 55

21, 3/6

The Motion of Charged Particles in a
Homogeneous Magnetic Field on which is
Applied the Magnetic Field of a linear
Current and the Electric Field of a
Cylindrical Condenser, by V. M. Kel'man,
S. Ya. Yavor, 4 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXIV,
1954, pp 1329-1332.

AEC Tr 2254

Assoc Tech Serv
Tr 5506R

29,430

USSR
Sci - Physics

8

Role of Electrical Phenomena in the Adhesion of Films,
by B. V. Deryagin, N. A. Krotova, V. V. Karasev, 5 pp.

^{no}
RUSSIAN, per, Zhur Tekh. Fiz., Vol XXIV, No 7, 1954,
pp 1354-1357.

Sci. Tr Center RT-4202

Sci - Physics

41, 554

Soundless External Dry Friction of Metals at Low
Sliding Speeds, by N. F. Kunin, G. D. Lomakin.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXIV, No 8,
1954, pp 1361-1365.

Henry Bratcher Tr 3698

Sci - Minerals/Metals, Physics

May 1956 34,878 \$4.90

On the Connection Between Static and Kinetic
Friction, by N. F. Kmit, G. D. Lomakin

RUSSIAN, no per, Zhur Tekh Fiz, Vol 24,
no 8, 1954, pp 1367-70. 1370,

SLA 59-10865
Butcher No 3650
\$3.00

Scientific - Min/Metals, Physics
Feb 56 CTS/dex

31,227

Investigation of the Gas-Absorbing Power of
Undispersed Gitters, by E. Lyubovskaya, A. Ravdal, 8 pp.

RUSSIAN, per, Zhur Bakh Fiz, Vol XXIV, 1954, pp 1392-
1400.

AND Tr 2626

Sci - Physics
Nov 56 GRS

40,585

Determination of Heat Capacity and Heat Conductivity of Metals Under Conditions of a Regular Regime, by E. Yu. ~~Me~~ Mekhendzi, 20 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol 24(8), 1954, pp 1428-1440.

Sci Mus Lib Tr 55/2920

Sci - Physics, Minerals/Metals

30,358

Problem of the Utilization of Electroecmesis of Soil
in Plowing, by B. I. Shirokov.

RUSSIAN, per, Zhur Telch Fiz. Vol XLIV, No 8, 1954,
pp 1474-1482. CIA 9016918

USDA

Sci - Geophysics
Mar 58

60,253

Application of Homogeneous Boundary Conditions
in the Theory of Thin Antennas, by M. A. Miller,
ibid.

RUSSIAN, esp per, Izhur Tekh Fiz., Vol XXIV, 1954,
p 1482.-1495

Morris D. Friedman *M-106*
\$12.00

USSR
Scientific - Physics

CTS 65/Feb 55

21,302

Photographic Material With a Constant Coefficient
of Contrast in the Visible Region of the Spectrum, by
A. V. Borin, A. F. Makovskiy, M. G. Quintsov, S. A.
Ivleva, V. I. M Avvakumov, ~~1899x 18~~ pp.

RUSSIAN, no per, ~~Zhur Tekh Fiz~~, Vol ~~1899x~~ ^{XXIV}, No 8, 1954,
pp 1499-1502.

(:SA/FDO X-2208)

Sci - Physics
Nov 1956 CTB/dex

40,793

How Does a Soap Bubble Burst, by M. Kornfeld. UNCL

RUSSIAN, per, Zhur Telkh Fiz, Vol XXIV, No 8, 1954,
pp 1520-1521.

*DSIR/TCL 70

Ph
Sci - ~~cl~~
Mar 59

Temperature Dependence of the Magnetic Properties
of Nickel-Zinc and Copper-Zinc Ferrites, by A. I.
Sukhkov, 7 pp.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXIV, No 9,
1954, pp 1579-1583.

Morris D. Friedman 5-125
\$3.50

38,235

Sol - Physics

Ferroelectric Properties of Solid Solutions of Barium Zirconate in Barium Titanate, by G. A. Smolonskiy (Smolonskiy), N. P. Tarutin, N. P. Gruzdeva, 10 pp.

NEKHILAN, per, Zhur Tekh Fiz, Vol XXIV, 1954, pp 1584-1593.

40,483

ABC Tr 2625

Sci - ~~Electronics~~ ~~Statistics~~, Physics
Nov 56 OHS

On the Question of Temperature Dependence of
the Thermal e.m.f. of Impurity Semiconductors,
by T. A. Kontorova, 17 pp.

RUSSIAN, per, Zh. Tekh. Fiz., Vol XXIV, No 9,
1954, pp 1687-1696.

Morris D. Friedman
\$8.50

Sci-Physics

*K-135
26,857*

Sep 1955 CTS/DIC

On the Theory of Coupled Cavity Resonators, by
A. I. Akhiezer, G. Y. Lyubarsky, 14 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXIV, No 9, 1954,
: p 1697-1706.

SLA R-2777

Sci

Jul 59

91,309

Automatic Recording Magnetoelectric Balance, (y) M. A.
Gurevich, K. P. Malyuk-Malitskiy, 8 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXIV, No 9, 1954,
pp 1724-1728.

FDD/X-3503

Sci - Electron
May 59

(FDD 24773)

Ferroelectric Properties of Solid Solutions in the
Barium Titanate-Strontium Titanate System, by
G. A. Smolenskiy, M. I. Rozgachov, 19 pp.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXIV, No 10,
Moscow, Oct 1954, pp 1751-1760.

CIA/FDD/U-7062

USSR
Sci - Physics
CTS 09/Jun 55

26,202

Elastic and Plastic Fracture of Amorphous Polymers,
by G. M. Bartenev, G. I. Belostotskaya.

RUSSIAN, per, Zhur Tekh Fiz. Vol XXIV, 1954, pp 1773-
1785.

~~SECRET~~
UKSM GB57/1458

Sci - Chemistry
Mar 58

59,775

The Diffusion of a Solute in Substitutional Alloys, by A. A. Smirnov.

RUSSIAN, per, Zhur. Tekh. Fiz., Vol XXIV, No 10, 1953, pp 1802-1811.

IPA3/TIB T-4593

Sci - Minerals/Metals, Physics

31,358

Reflection and Transmission of Light by a
System of Thin and Thick Dielectric Layers,
by M. P. Lisitsa, 20 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXIV, No 10,
1954, pp 1837-1850.

CIA/FDD/Z-215

Sci - Physics

32,164

The Preparation of Large Single Crystals of
Aluminum of a Definite Orientation, by N. S.
Andreyeva, P. A. Bezirganyan, 7 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXIV, No 10,
1954, pp 1876-1878.

Sci Mus Lib = 55/3827

Sci - Chemistry, Physics 33,786

May 1956

(FDD 24774)

Problem of the Dispersional Properties of a
Sectional Waveguide, by N. M. Sovetov, 5 pp.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXIV, No 10,
Moscow, Oct 1954, pp 1907-1909.

CIA/FDD/U-7063

USSR

Sci - Physics

CTS 69/Jun 55

26,203

Concerning a Formula for the Angular Distribution
of Particles Scattered in a Gas, by I. P. Skalskaya,
3 pp.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXIV, 1954,
pp 1912-1914.

AEC Tr 2741

Sci - Physics
Jun 57

48, 637

SLA R-1678
CCT-1318 B

On the Hydrodynamics of Electric Discharges, by
G. A. Ostapenko, 6 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXIV, 1954,
pp 1915-1919.

AST-1111
AND Tr 2627

076 13 10 000

Sci - Electrodin, physics
Nov 56 CDB

40, 986

(FND 24838)

The Behavior of Polystyrene Capacitors Under the
Action of Voltage, by A. P. Butra, V. T.
Rembe, 17 pp.

RUSSIAN, no per, Zhur Tekh fiz,
Vol XXIV, No 11, Moscow, Nov 1954, pp 1974-1982

Dec 53 CTS

CIA/FND/U-7604

USSR

Sci - Physics, capacitors

30,415

(copyright)

Corona Characteristics in Transient Conditions, by
G. N. Aleksandrov.

RUSSIAN, per, Zhur Tekh Fiz, Vol. XXIV, No 11,
1954, pp 2034-2038,

UKSM GB 125. No
IB 1442

Sci - Physics

52,326

Aug 57

On the Investigation of the Nonlinear Distribution of a Four-Terminal Network by a Signal of Complex Spectrum, By V. M. Vol'f, 17 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol. XXIV, No 11, 1954, pp 2054-2063.

SLA R-2382

Sci

Aug 58

72,350

Theory of the Photomagnetic Effect in Semi-
conductors in Strong Magnetic Fields, by
A. I. Ansel'm.
RUSSIAN, per, Zhurnal Tekhnicheskoi Fiziki,
Vol 24, No 11, 1954, pp 2064-2069.
*AEC

Sci/Physics
Jan 67

Crystallization of Selenium Under Pressure, by
D. N. Nasledov, P. J. Kozyrev, 62 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXIV, No 12,
1954.

CIA/FD D XX-1652
NO FOREIGN DISSEM

Sci
Jan 65
UKSIB Internal Use Only

271,429

Study of Unfractionated Polymers by Means
of an Ultracentrifuge, by S. Ya. Frenkel'.
RUSSIAN, per, Zh. Tekh. Fiz., Vol 24, No 12,
1954, pp 2169-2187.
NLL Ref 9022.848 1966 (1261)

Sci-Chem
Aug 66

308,515

A Gas-Focused Beam as a Transitional Phase During
the Formation of a High-Voltage Pulsed Discharge
at Low Pressures, by A. V. Kustova, E. N.
Reykhrudel'. UNCLASSIFIED

RUSSIAN, per, Izv Tekh Fiz, Vol XXIV, No 12, 1987,
pp 2183-2189.

Sci Mus Lib 57/4310

Sci - Phys
Sep 58

73,367

Etching of Steels by Ionic Bombardment, by
I. N. Prilezhayev, G. V. Spivak, M. I. Malkina,

RUSSIAN, no per, Zhur Tekh Fiz., Vol XXIV,
No 11, 1954, pp 2050-2096.

25,286

Brutcher Tr 3459
#3.60

Scientific - Min/Metals, Physics

Jul 55 CTS

Thermal Method of Determining the Moisture
Content of Capillary-Porous Materials,
by A. F. Chudnovskiy.

RUSSIAN, per, Zhur Tekh Fiz,
Vol XXIV, No 12, 1954, pp 2190-2201.

CSIRO 3674

Sci - Engr
Apr 62

192,075

On a Possible Current-Carrier Dispersion Mechanism
in Semiconductors, by T. A. Kontorova, 7 pp.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXIV, 1954,
p 2217.-3020

Morris D. Friedman *K-134*
\$3.50

Scientific - Physics

CTB 67/Apr 55

22, 94 4

Forms of Flow of Gas-Liquid Mixtures and Their
Stability Limits in Vertical Tubes, by B. K.
Kozlov

RUSSIAN, no par, Zhur Tekh Fiz, Vol XXIV, 1954,
pp 2285-2288.

AEC Tr 2258
AEC-RJ-418
Assoc Tech Svc Tr 13G7R

Scientific - Physics
Nov 55 CTS/DEK

28,463

Table of Contents of "Journal of Technical
Physics", 6 pp.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXV,
No 1-6, 1955.

CIA/FDD/X-1829

On Dielectric Properties of Transition Layers
in Semiconductors, by B. M. Vul, 11 pp.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXV,
No 1, 1955, p 30

Morris D Friedman

\$5.50
V-117

Scientific - Physics

CTB 69/Jun 55

24,731

Planar Germanium Photodiodes, by Zh. I. Alferov,
B. M. Konovalenko, S. M. Ryvkin, V. M. Tuchke-
vich, A. I. Uvarov, 9 pp.

RUSSIAN, per, Zh. Tekh. Fiz., Vol XXV, No 1, 1955,
pp 11-17.

Morris D. Friedman
\$4.50

Sci Physics

Sep 1955 CTS/BRK

26,858

ACC UCL-Trans-467

On the Sensitivity of Germanium Photo-Diodes
to X-Rays, by B. M. Konvalenko, S. M. Rybkin,
V. M. Tushkevich, 3 pp.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXV,
No 1, 1955, p 18.-20.

Morris D Friedman
\$5.50

K-133

Scientific - Physics

CTS 69/Jun 55

24,733

On the Question of the Operating Mechanism of
Germanium Photodiodes, by S. M. Ryvkin, 12 pp.

RUSSIAN, per, 1h¹⁴ Tekh⁹ Fiz⁹, Vol XXV, No 1,
1955, pp 21-28:

Morris D. Friedman K-110
\$6.00

Sci-Physics

26,797

D.S.I - 90

Sep 1955 CTS/DEX

Nasledov, D.N., Dorin, V.A., and Dikina, I.M.
 ÉTUDE RADIOGRAPHIQUE DES COUCHES DE SÉLÉ-
 NIUM OBTENUES PAR ÉVAPORATION DANS LE VIDE
 (Röntgenstrafschichtstudie über eine Schicht Seleni)
 Polukherin, I. Ispitrenieny i Volatime (X-Ray Study of
 Selenium Films Obtained by Evaporation in Vacuum).
 24p. (foreign text included) 10 refs. CNRS-VIII bis 267.
 Order from OIS, ETC or CNRS 50, 98 TT-62-28266

Trans. in French of Zhurnal Tekhnicheskoi Fiziki
 (USSR) 1955, v. 25, no. 4, p. 241-248.

DESCRIPTORS: Vacuum apparatus, *Selenium, Thin
 films, Evaporation, Coatings, *Radiography.

(Physics--Solid State, TT, v. 11, no. 8)

TT-62-28266

I. Nasledov, D.N.
 II. Dorin, V.A.
 III. Dikina, I.M.
 IV. CNRS-VIII bis 267
 V. Centre National de la Recher-
 che Scientifique, Paris.

Office of Technical Services
 European Translations Centre

Investigation of the Hardness of Solid Bodies.
II. Dependence of Durability on Pressure, by
S. N. Zhurkov, E. E. Tomashevskiy, 11 pp.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXV, No 1,
1955, pp 66-73.

Morris D. Friedman Z-100
\$5.50

Scientific - Physics
CTB 73/Oct 1955

27,895

On Semiconducting Properties of Certain
High-Ohmic Metallic Alloys, by A. I.
Drabkin, 5 pp.

RUSSIAN, per, *Zh. Tekh. Fiz.*, Vol XXV, No 1,
1955, pp 81-84.

Morris D. Friedman
\$2.50

Sci-Physic

26,799

Sep 1955 CTS/DEX

On the Dependence of the Coercive Force on the
Thickness of the Lamina of Iron-Silicon Alloy,
by Yu. P. Burdakova, V. V. Drushinin, 6 pp.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXV, No 1,
1955, pp 108-111.

Morris D. Friedman
\$3.00

Scientific - Physics
CTB 73/Oct 1955

27,900

Hardness of Metal-Ceramic Solid Alloys of
Tungsten Carbide-Cobalt Depending on Temperature
and Grain Size, by G. S. Kreyner, O. S. Safonova,
A. I. Baranov, 10 pp.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXV, No 1,
1955, pp 117-124.

Morris D. Friedman *K-146*
\$5.00

Scientific - Physics
CIS 73/Oct 1955

27,896

Brittleness of Metals and Size Effect, by
B. E. Chochulin.

RUSSIAN, no par, Zhur Tekh Fiz, Vol XIV, No 1,
1955, pp 125-134.

CIA 9:55:17

Co-Op Trans Sch Tr 251
£3. (10s.0d.)

Sci - Min/metals

42,766

On the Determination of the Coefficient of
Self-Diffusion of Iron in an Alloy of Austenite,
by M. A. Krishtal, 8 pp.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XIV, No 1,
1955, pp 144-148.

Sci Tr Center
RT-2818

USSR
Sci - Physics

MDF K-152
27,327

✓ Electrodynamic Averaged Boundary Conditions for
Metallic Grids, by B. Ya. Moizhes, 14 pp.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXV, No 1,
1955, pp 158-166.

Morris D. Friedman 11-128
\$7.00

Scientific - Physics
Jun 56 CTS/dex

34,939

Electrostatic Averaged Boundary Conditions for
Metallic Grids, by B. Ya. Moizhes, 14 pp.

RUSSIAN, no par, Zhur Tekh Fiz, Vol XXV, No 1,
1955, pp 167-176.

Morris D. Friedman *11-109*
\$7.00

34,937

Scientific - Physics
Jun 56 CIB/dex

Strengths of Bond and Distortions in the Crystals
of Martensite, by V. K. Kritukaya, G. V. Kurdyumov
N. H. Modya.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXV, No 2, 1955,
pp 177-181.

SLA 60-16971

Sci - Phys

156 902

Jun 61

Changes in the Intensities of X-Ray Diffraction
Lines During the Aging of a Ni-Cr-Ti-Al Alloy,
by G. V. Kurdyumov, N. T. Travina.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXV, No 2, 1955
pp 182-187.

Butcher Trans 3575
\$4.95

Sci - Minerals/Metals

29,818

Resolving Power of Multilayer Color Photographic
Materials, by Yu. N. Jorokhovskiy, P. Kh. Pruss,
30 pp.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXV, No 2,
1955, pp 221-235.

CIA/FDD/XX-109
NOT RELEASABLE TO FOREIGN NATIONALS
~~XXXXXXXXXXXXXXXXXXXX~~

Scientific - Physics

Apr 56 CTS/DEX

IAC INTERNAL USE ONLY

33,782

Thermal Radiation From a Thin Rectilinear
Antenna, by M. L. Levin, S. M. Rytov, 11 pp.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXV, No 2,
1955, pp 323-332.

CIA/FDD X-2407

Sci - Physics
May 1957 CBE/dex

47, 348

Anisotropic Waveguides, by M. A. Gintsburg, 8 pp.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXV, No 2,
1955, p 358. - 32

Morris D. Friedman G-117
\$4.00

Scientific - Physics

CTE 67/Apr 55

22, 980

Absorption Spectra Lines in Cadmium Sulfide
Crystals at the Temperature of Liquid Helium,
by M. F. Gross, M. A. Yakobson, 2 pp.

RUSSIAN, no per, Izvestiya Akad. Nauk SSSR, Vol XXV,
No 2, 1955, p 363.

Morris D Friedman
\$1.00 J536

Scientific - Physics

CBS 69/Jun 55

24738

Dept of Navy In 4110

APL/NEU T-1233

Electrical Characteristics of Chalcopyrite, by
B. I. Boltaks, N. N. Tarnovskiy.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXV, No 3, 1955,
pp 402-407.

United Kingdom Scientific Mission
UKSM GB 43

SLA

Sci - ~~XXXXXXXXXX~~ Minerals/Metals
Oct 57

54, 458

Thermoelectric Properties of Systems of
Bismuth-Tellurium Alloys, by F. I. Vasenin,
7 pp.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXV, No 3,
1955, pp 397-401.

Morris D. Friedman

\$3.50

61-17593

✓-101

Scientific - Physics

Electronics

Microelectronics

73
CIS 63/Oct 1955

27893

61-17593

On the Possibility of Using Interference Phenomena in
a Toepler Device for Quantitative Investigations, by
S. A. Abruikov, A. G. Shafigullin, 16 pp.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXV, No 3, 1955,
pp 421-429.

Morris D. Friedman A-10/
\$8.00

Sci - Physics
Dec 56 GTR

41, 443

On the Question of Radiometer Sensitivity
F. V. Bunkin, N. V. Karlov, 8 pp.

^{UJ}
RUSSIAN, per, Zh/Tekh Fiz, Vol XXV, No 3, Chap ~~I~~,
1955, pp 430-439.

Morris D. Friedman
\$4.00

Sci-Physical
Sep 1955 CTS/DEX

26, 849

Null Method of Measuring Weak Electrical
Fluctuations, by V. S. Troytskiy, 26 pp.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXV, No 3,
1955, pp 478-496.

Morris D. Friedman T-120
\$13.00

Scientific - Physics
CIB 73/Oct 1955

27,891

Analysis of Stresses Developing in the Stage of
Large Plastic Deformations in Tension Tests of
Cylindrical Specimens With Circular Notches, by
A. M. Grubin, U. I. Likhachev, 31 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXV, No 3, 1955,
pp 512-528.

CIA/FDD XX-687
NOT RELEASABLE TO FOREIGN
NATIONALS

Sci - Physics

Sep 59

OCT

USIA INTERNAL USE ONLY
~~USIA INTERNAL USE ONLY~~

100,308

Theorem on the Maximum Temperature Gradient, by
A. G. Temkin, 11 pp.

RUSSIAN, no per, Zhur Tekh Fis, Vol XXV, No 3, 1955,
pp 534-540.

Morris D. Friedman *T-100*
\$5.50

Sci - Physics

38,243

On the Concept of 'Activation Energy' for the
Solid State of a Substance, by M. P. Levitskiy,
3 pp.

RUSSIAN, per, *Uy Tekh Fiz*, Vol XXV, No 3, 1955,
pp 544, 545.

Butcher Jr 3695

Morris, D. Friedman
\$1.50 *2-103*

Sci-Physics

Sep 1955 CTS/DIX

A.E.I. TP 911

26,800

Perturbation of the Electromagnetic Field for
Small Deformations of the Metal Surface, by
V. Z. Katzenelenbaum, 17 pp.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXV, No 3,
1955, pp 546-557. CIA D 197020

AF Cambridge Research Center
Tech Tr No 2

Morris D. Friedman *K-11*

Scientific - Physics

Min/Metals

30,307
Jan 56 CTS/DEX

Mass-Spectrometric Method of Measuring the Amount
of Radiogenic Argon in Geological Formations to
Determine Their Absolute Age, by Kh. I. Amirkhanov,
I. G. Gurych, L. L. Shanin, S. S. Sardarov,
7 pp.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXV, No 3,
1955, pp 558-561.

24,734

ATS RT-385

Morris D Friedman

\$3.50

A.E.R.E. 556

Scientific - Physics

CTB 69/Jun 55

Sciurus 55/2558

10 829

GE-1

S. M. RYVKIN, et al.

Method to determine the mobility of minority charge carriers injected by light

Methode zur Bestimmung der Beweglichkeit von durch Licht injizierten Minderheits-Ladungsträgern

Zhur. Tekh. Khim., 25, No. 4, 563-568 (1955)

- German

E u r a t o m

Method of Determination of Mobility of Current
Carriers Injected by Light, by S. M. Ryvkin,
N. V. Khariyuzov, 13 pp.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXV, No 4,
1955, pp 563-568.

CIA/FDD/XX-117

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Scientific - Physics

LAC INTERNAL USE ONLY

34,132

Apr 56 CTS/DEX